

METHOD AND APPARATUS FOR A DISTRIBUTABLE ENVOI OBJECT

Michael Tolson Filed 08-May-01

LOJAQ Attorney Docket No: 507.000110US; SJL Tel. No. 510-337-7871

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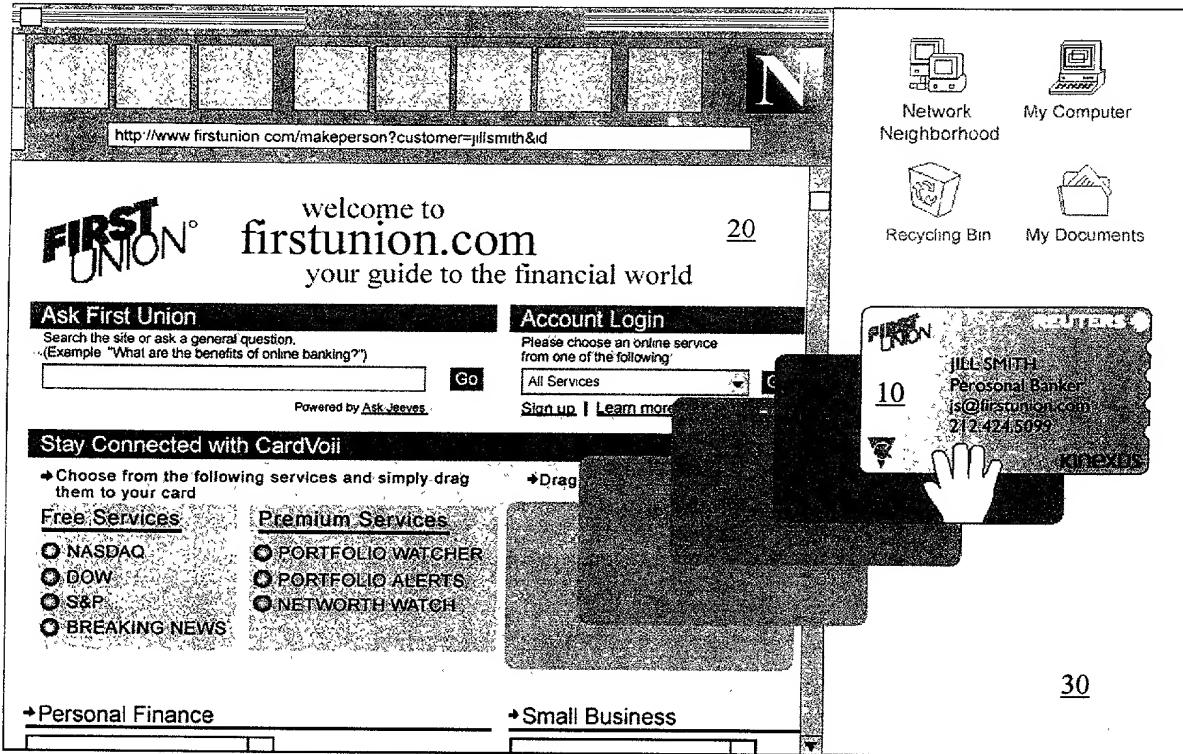


FIG. 1

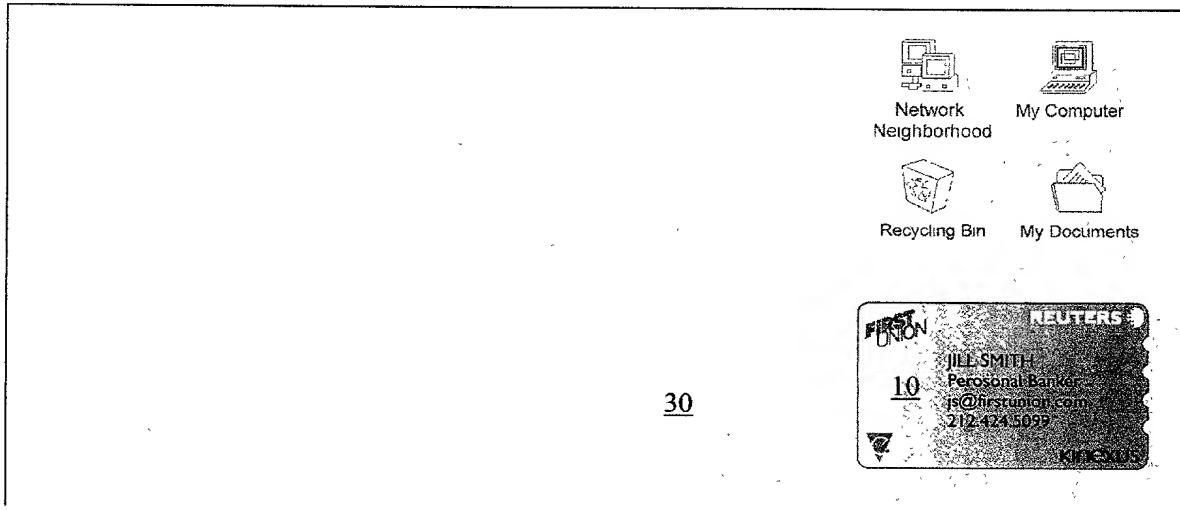


FIG. 2

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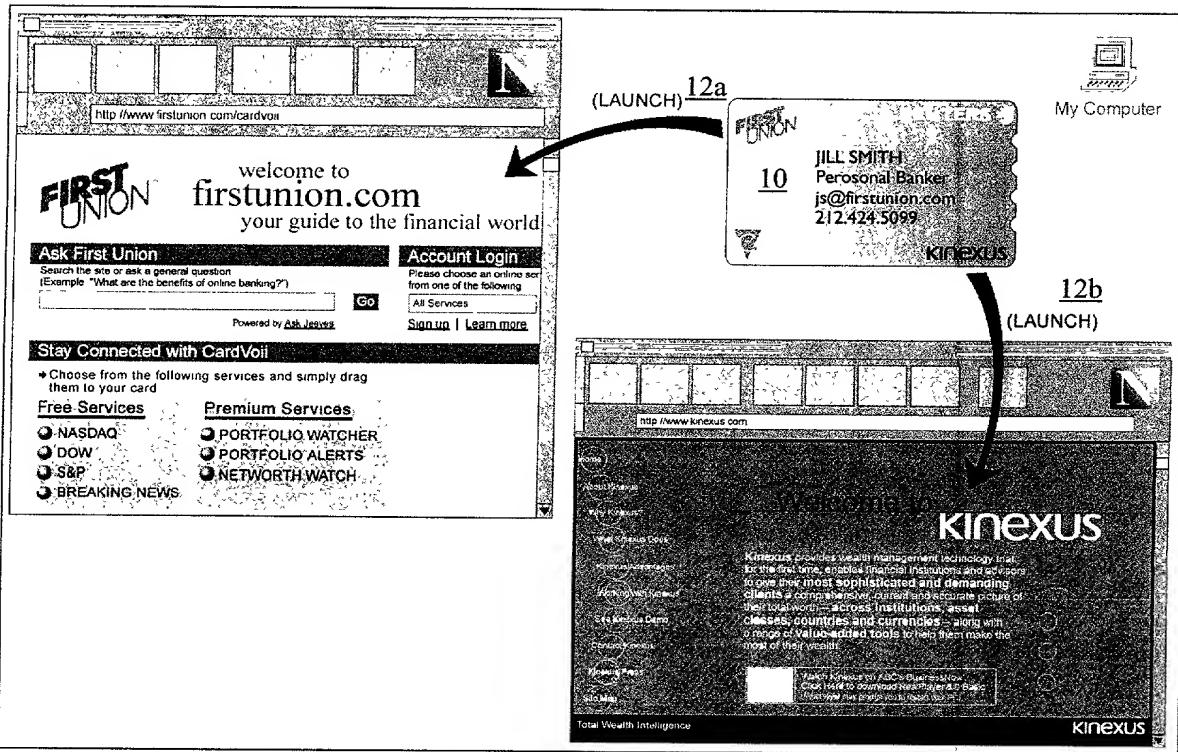


FIG. 3

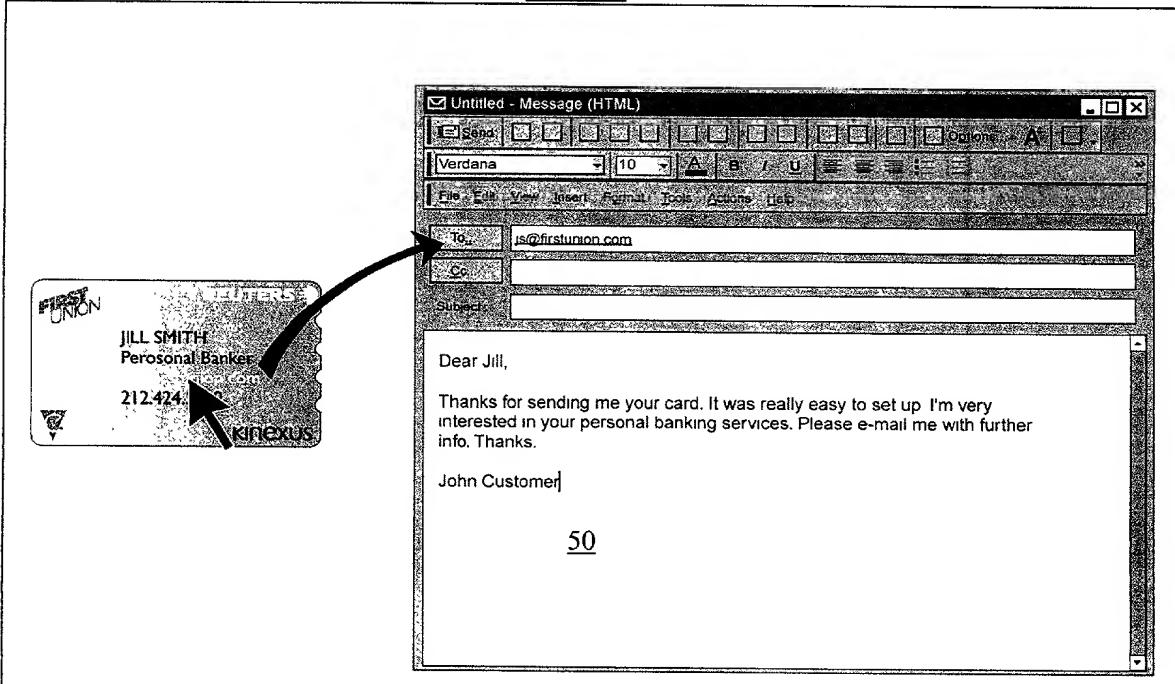


FIG. 4

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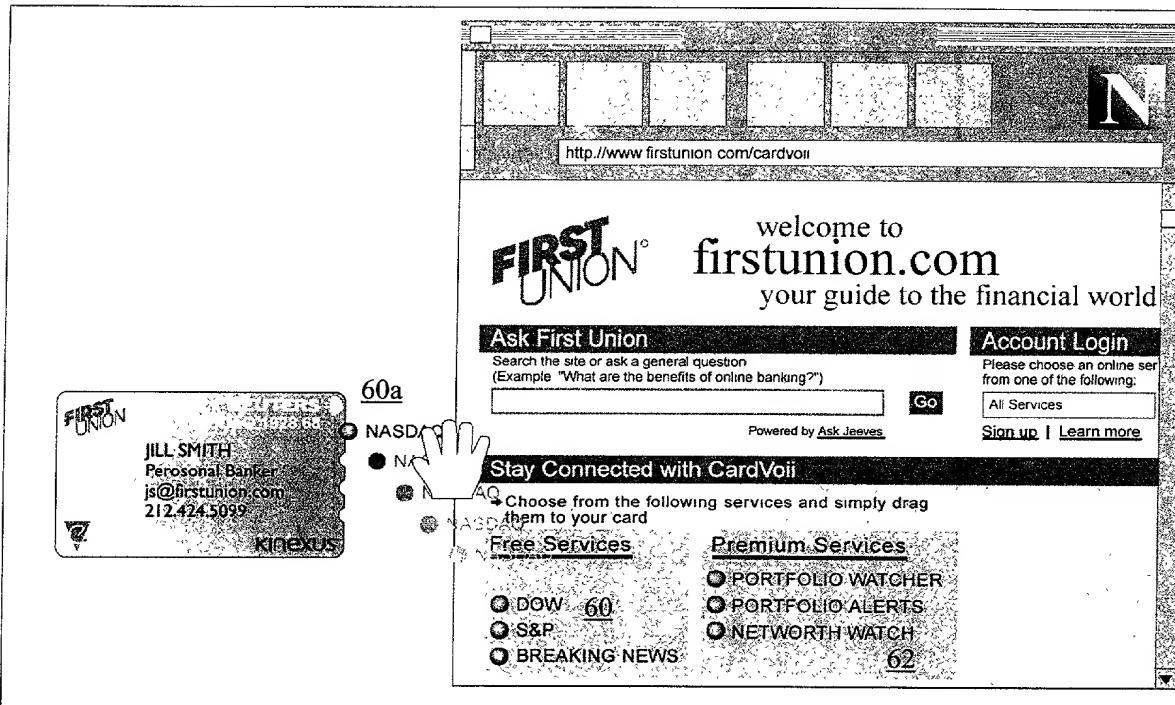


FIG. 5

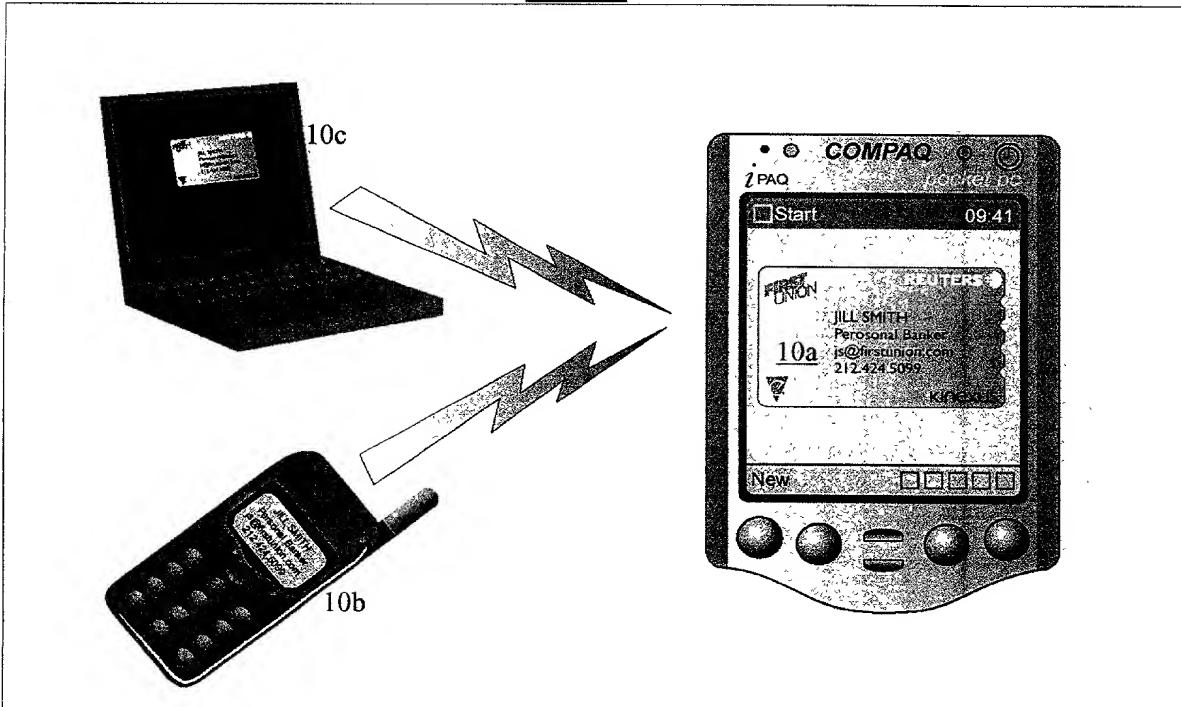


FIG. 6

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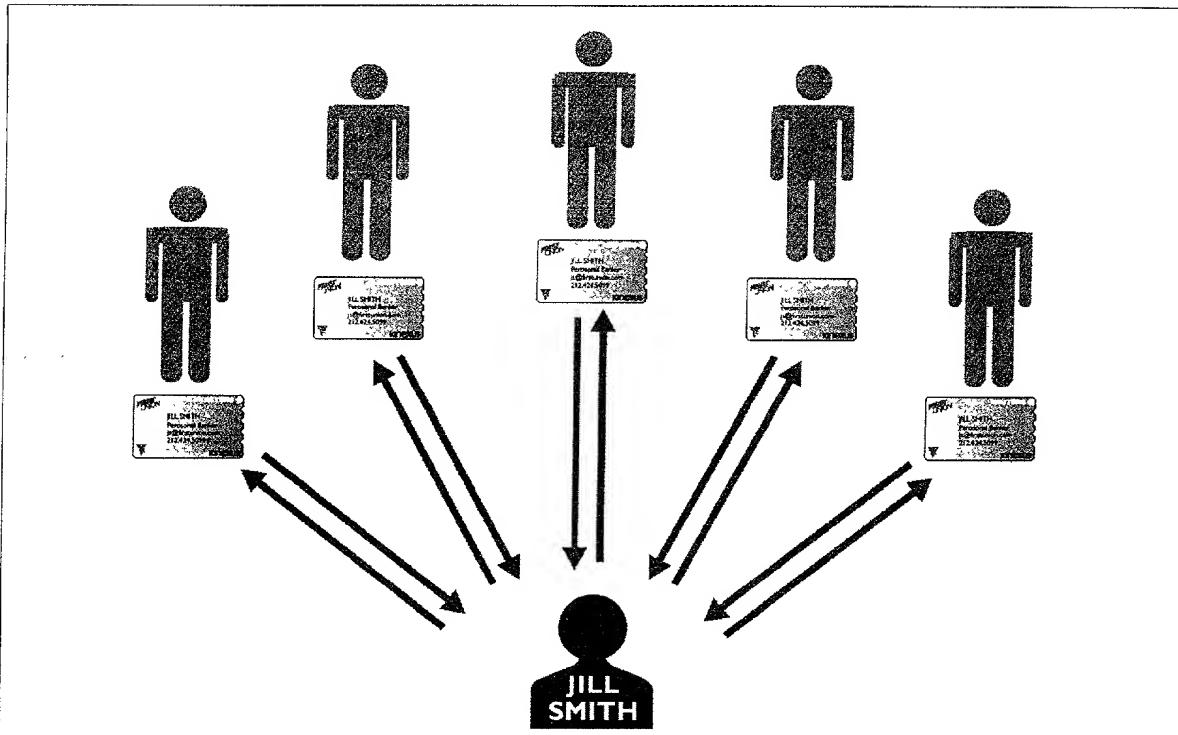


FIG. 7

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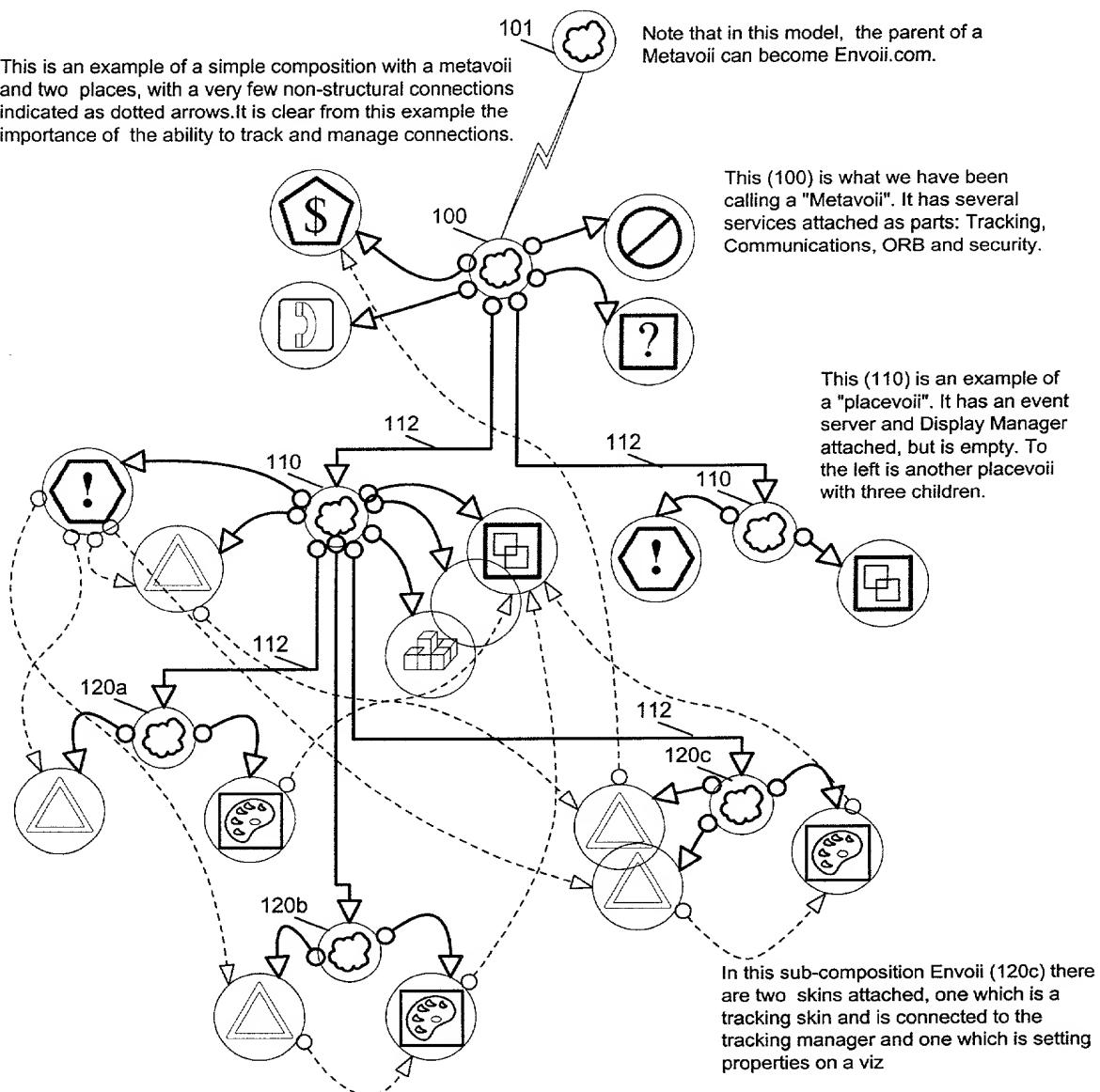


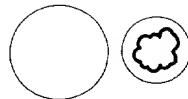
FIG. 8

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These are Envois (or "Envodes"). As an instance of a class, it provides generic graph interface. The connection points are representative of open set of "ports" which enable connections to other enodes.



This is a "Kid" connection, which is a specialization of a "Part" connection. It is the primary glue which is used by designers in building compositions. It effectively helps implement a tree-hierarchy as in the current system.



This is a "Part" connection. Part connections are structural, and enforce a part/part-child protocol.



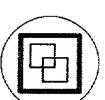
This is a representative dynamic connection. Some such connections may be transient, and others not.



This is a "skin", and it bears a part-of relationship to an envoy.



This is a "Viz" and it bears a part-of relationship to an envoy.



This is a "DisplayManager". It is a part of an envoy which provides a rendering service.



This is an "Event Service".

FIG. 9

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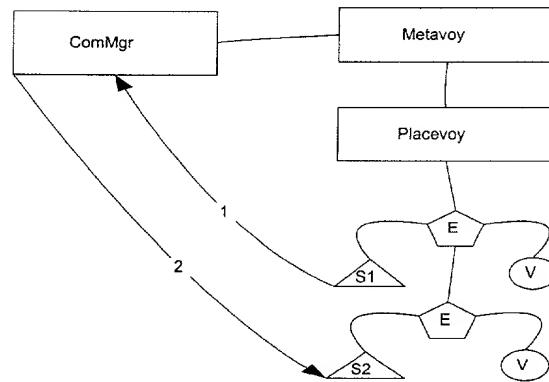


FIG. 10

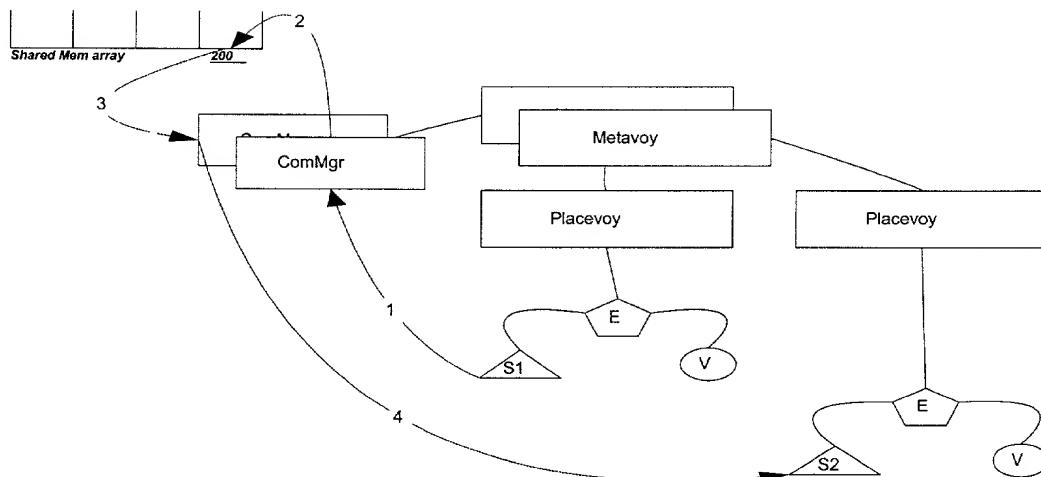


FIG. 11

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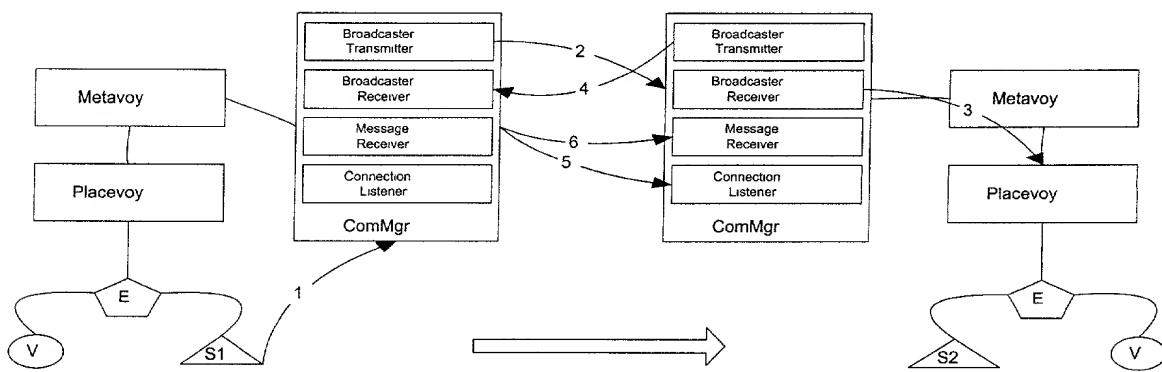


FIG. 12

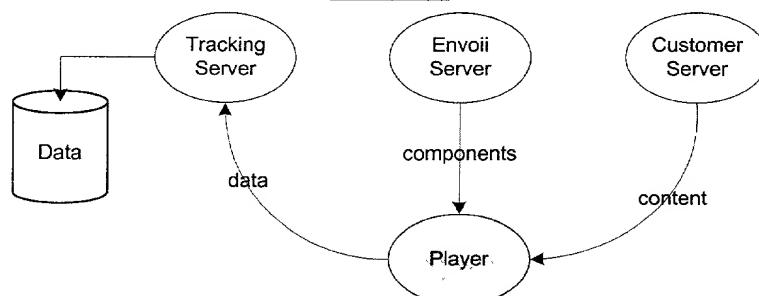


FIG. 13

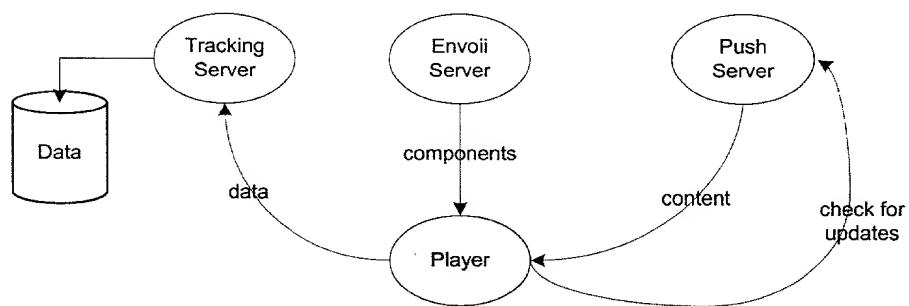


FIG. 14

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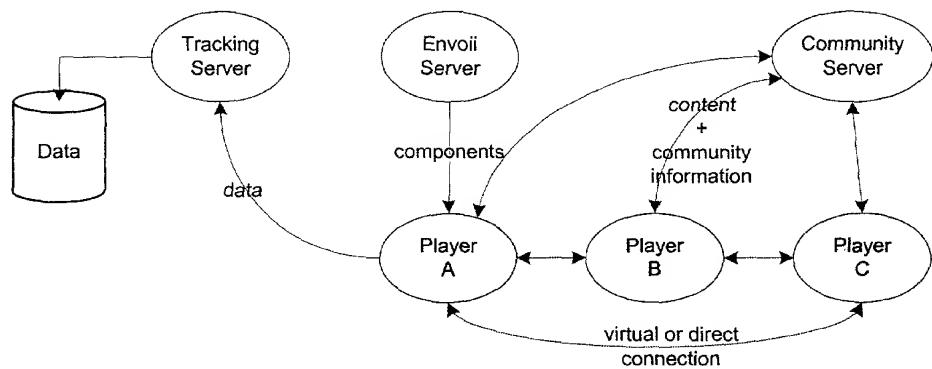


FIG. 15

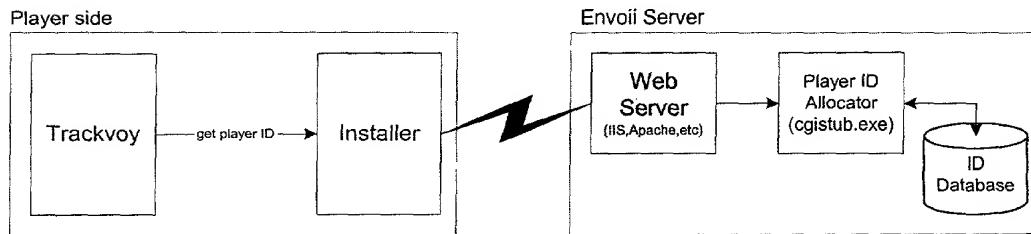


FIG. 16

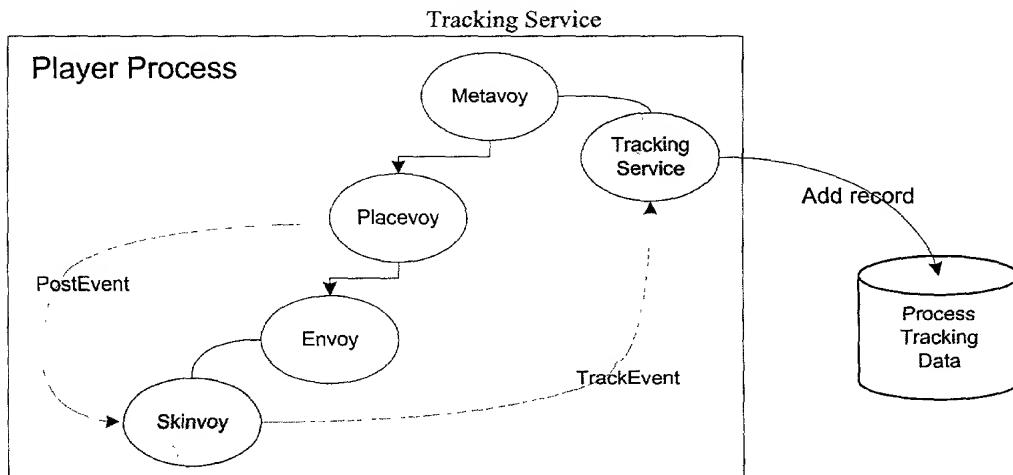


FIG. 17

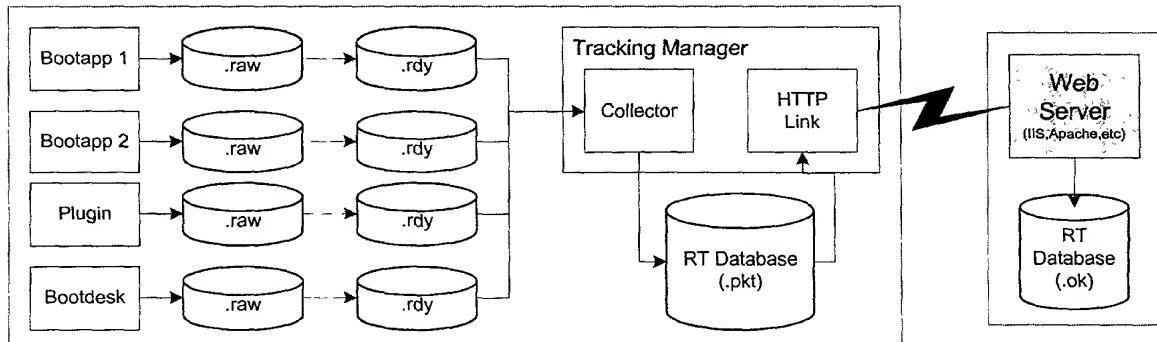


FIG. 18

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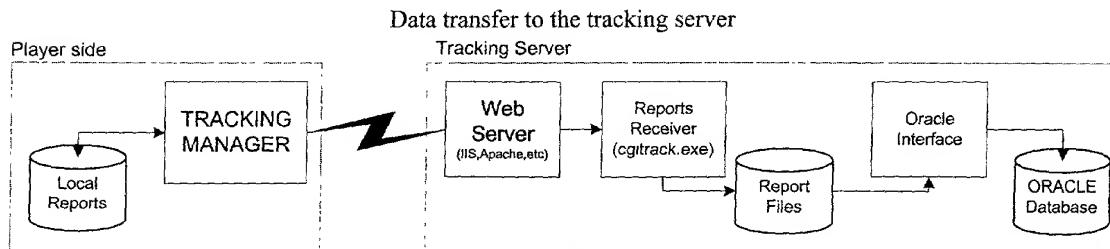


FIG. 19

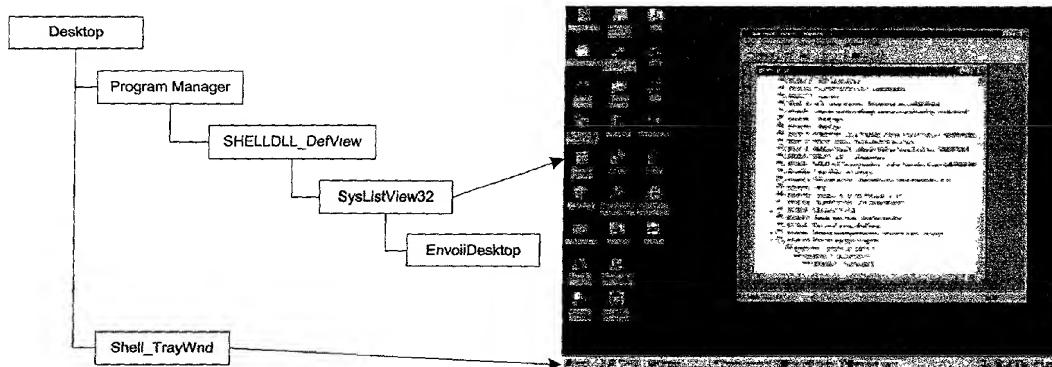


FIG. 20

repaint the desktop (will fix all drawing problems)

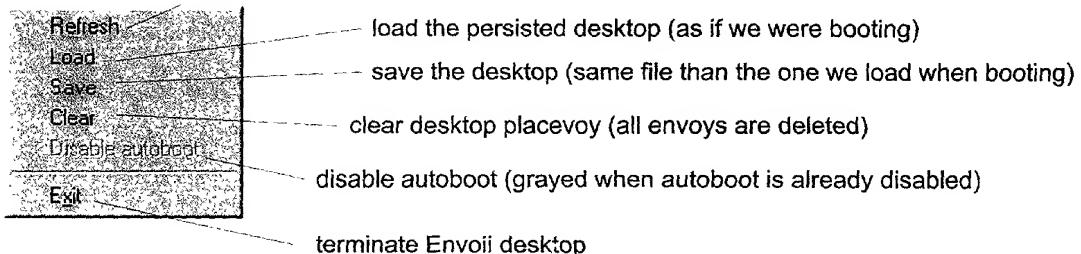


FIG. 21

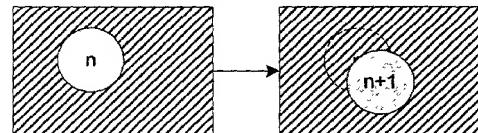


FIG. 22

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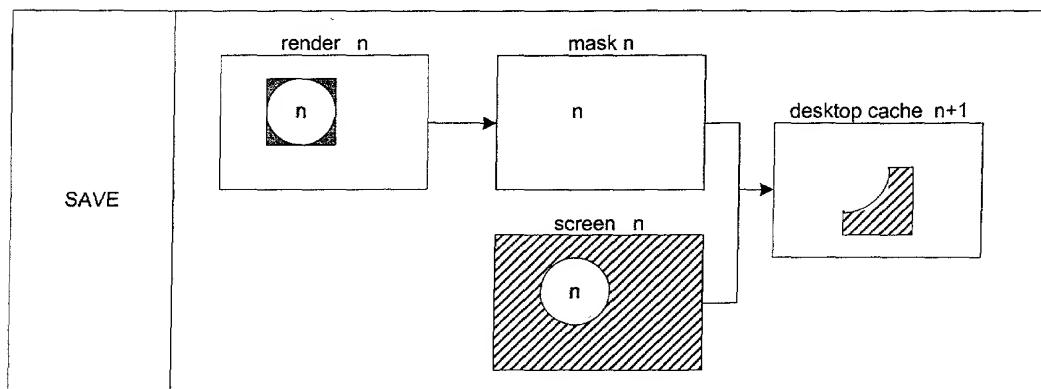


FIG. 23

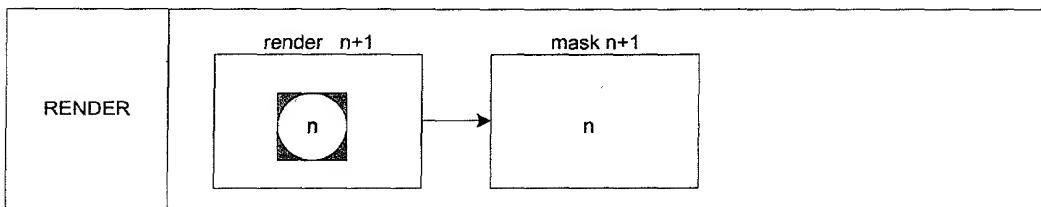


FIG. 24

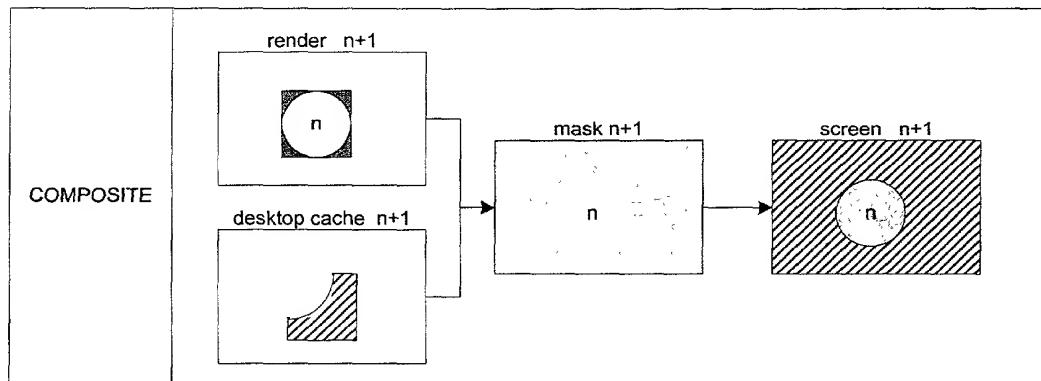


FIG. 25

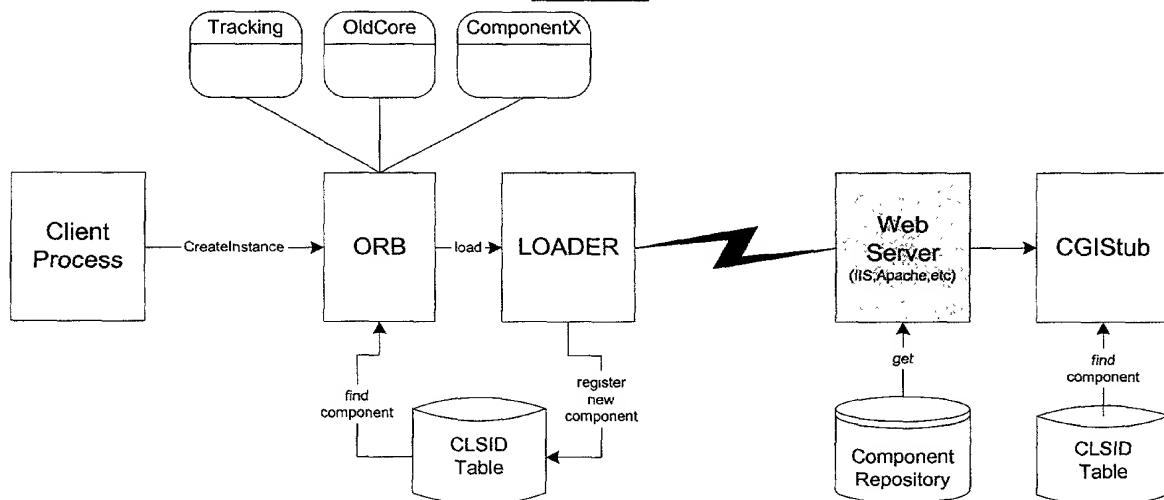


FIG. 26

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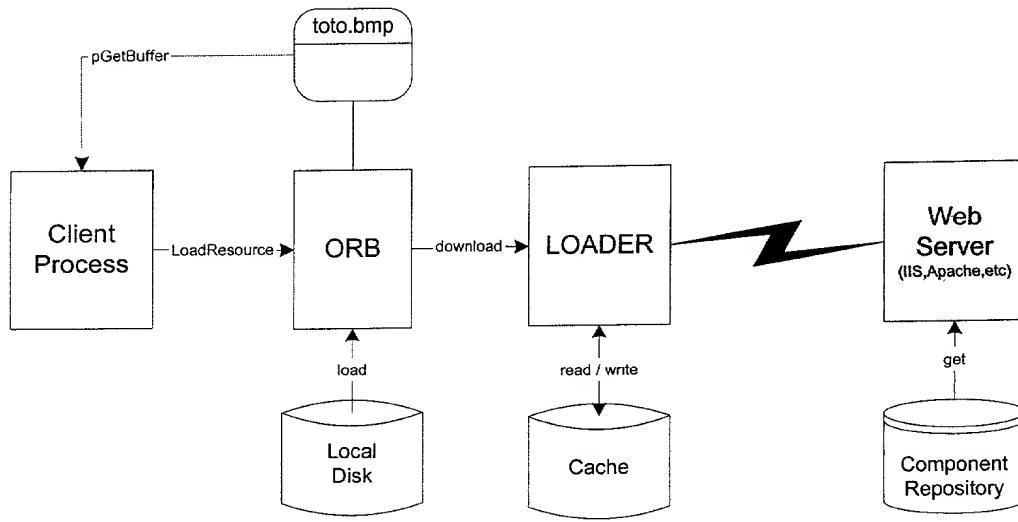


FIG. 27

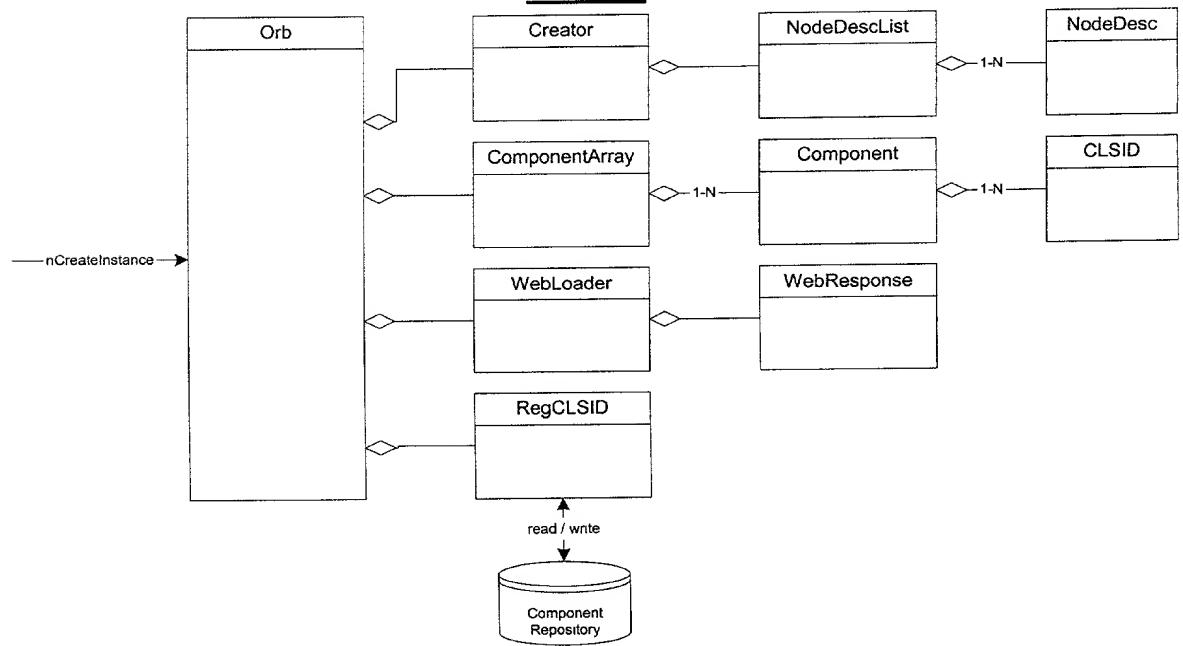


FIG. 28

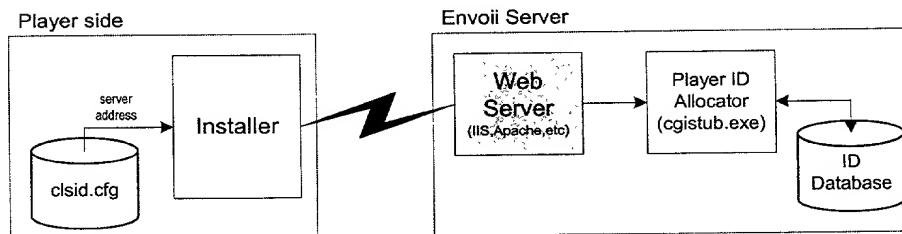


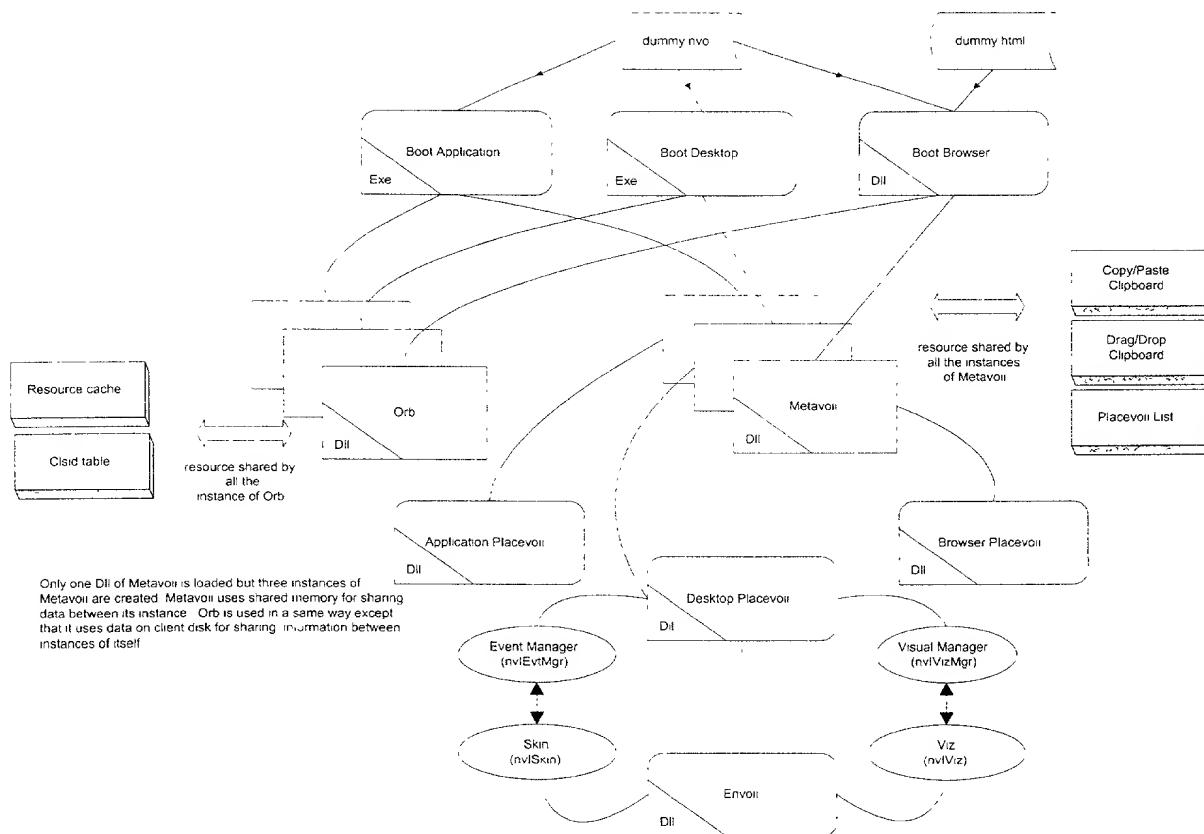
FIG. 29

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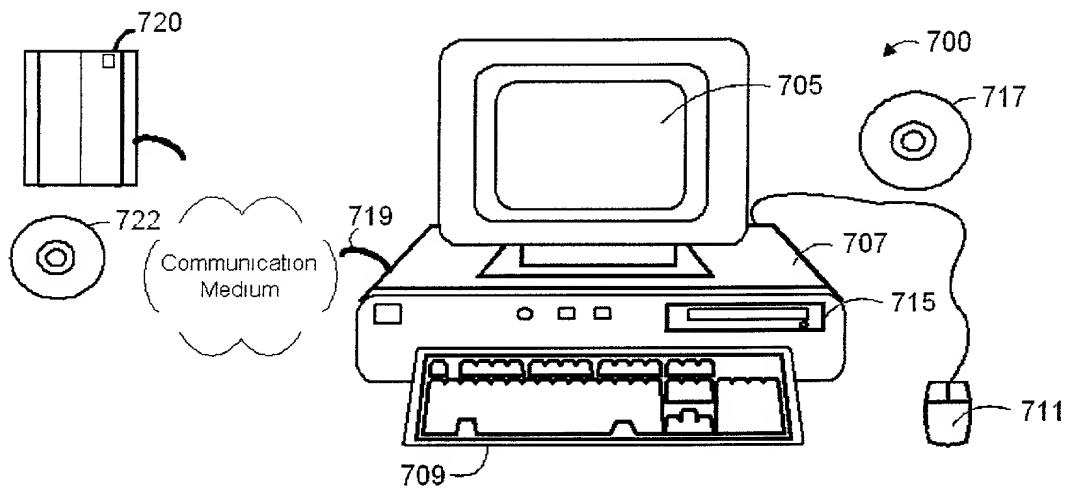


FIG. 31